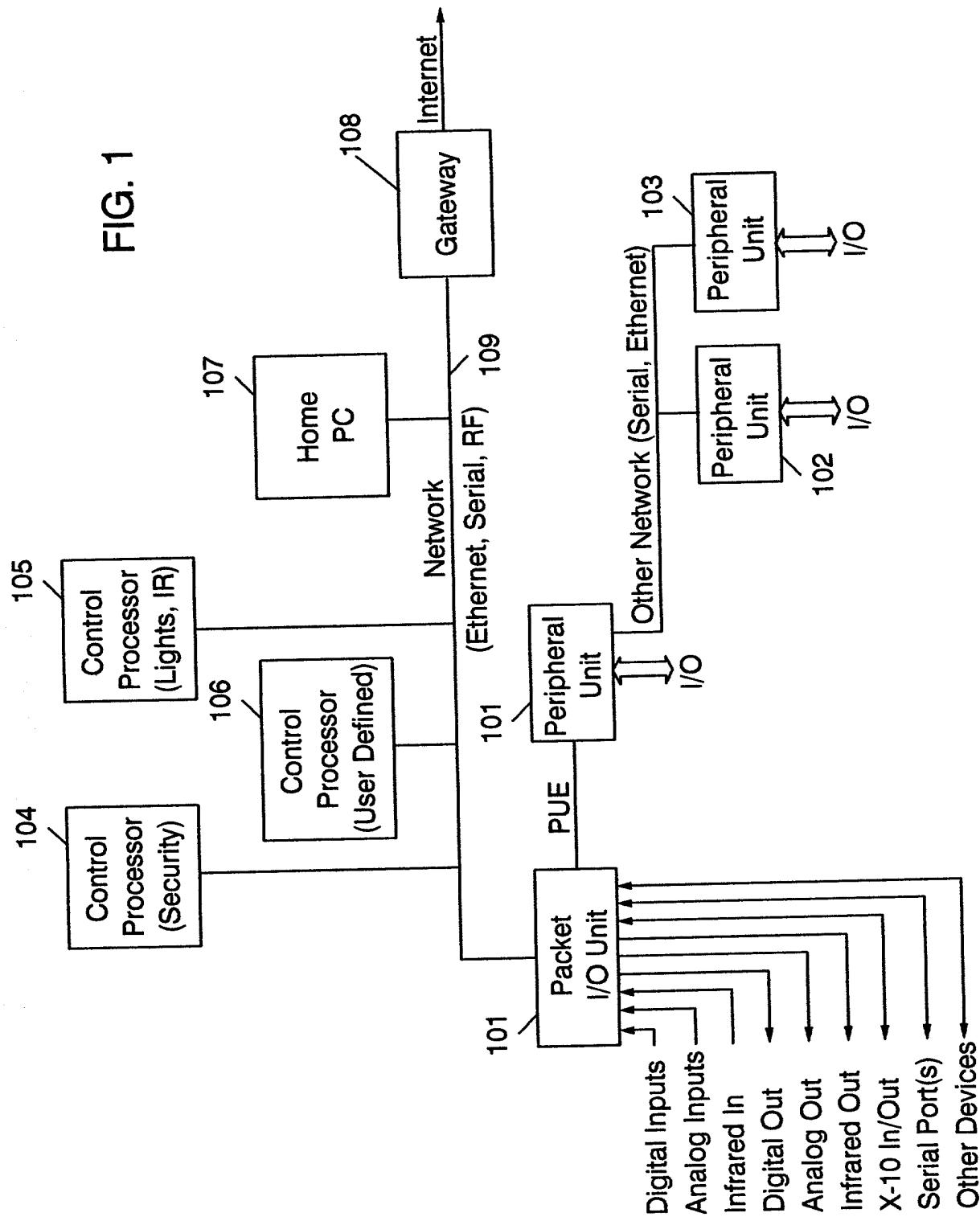


FIG. 1



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FIG. 2

UNIT #	INPUT #	ASSOCIATED VARIABLES			
		LAST VALUE	SEMA-PHORE	TIMER	TASK #
1	1				
1	2	LAST VALUE	SEMA-PHORE	TIMER	TASK #
•					
•					
•					
2	10	LAST VALUE	SEMA-PHORE	TIMER	TASK #

FIG. 3

UNIT #	INPUT #	TYPE OF CHANGE	ACTION TO BE TAKEN
3	1	RECEIVE SERIAL STRING	BROADCAST PACKET (network #, message)
3	2	X % CHANGE IN ANALOG VALUE	DIRECTED PACKET (node, message)
3	3	X INCREASE IN DIGITAL VALUE	SET SEMAPHORE (int. variable, value)
•			
•			
•			
4	10	BIT INPUT CHANGE	DIRECTED PACKET (node, message)

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FIG. 4

UNIT #	INPUT/ OUTPUT #	TYPE OF I/O	STRING NAME
4	1	DIGITAL INPUT (1/0)	Outside_Door
4	2	ANALOG INPUT (range)	Downstairs_Temp
4	3	SEMAPHORE	Home/Away_Status
• • •			
5	11	ANALOG INPUT (range)	Outside_Temp

FIG. 7

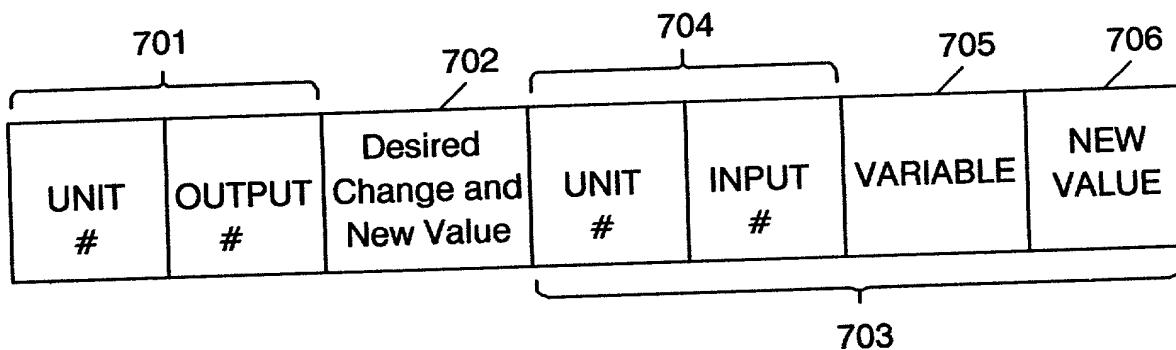


FIG. 5

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INT. UNIT #	VAR. INPUT #	TYPE OF CHANGE	OUT- PUT UNIT #	ANY INPUT #	UNIT #	VAR. ACTION
1	17	Time_st= hhmm	2	4	256	
1	18	Count ≤0	3	2	0	SEMA- PHORE
1	19	BIT=1	2	12	1	
• • •						
3	20	BIT=0	1	15	256	SET TO 30 SEC TIMER

FIG. 6

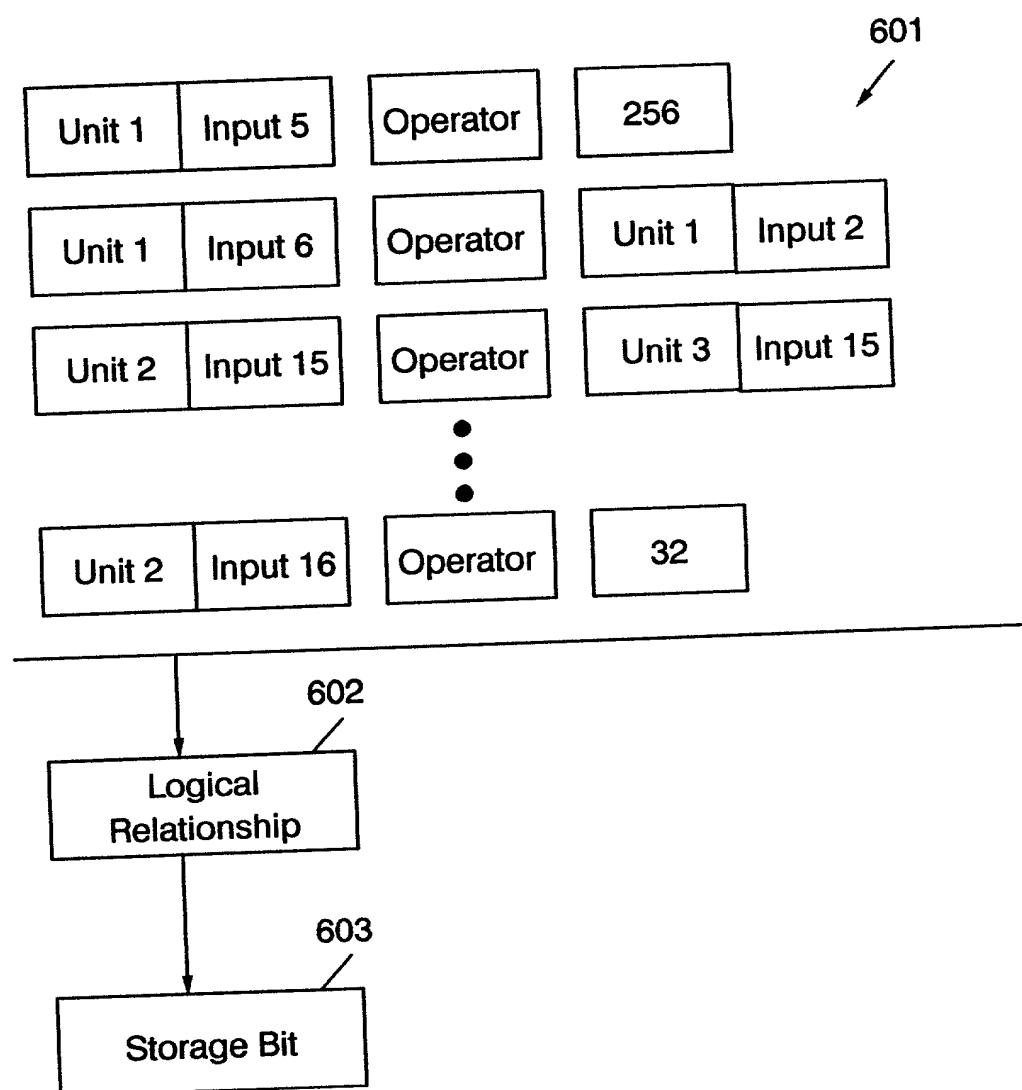


FIG. 8

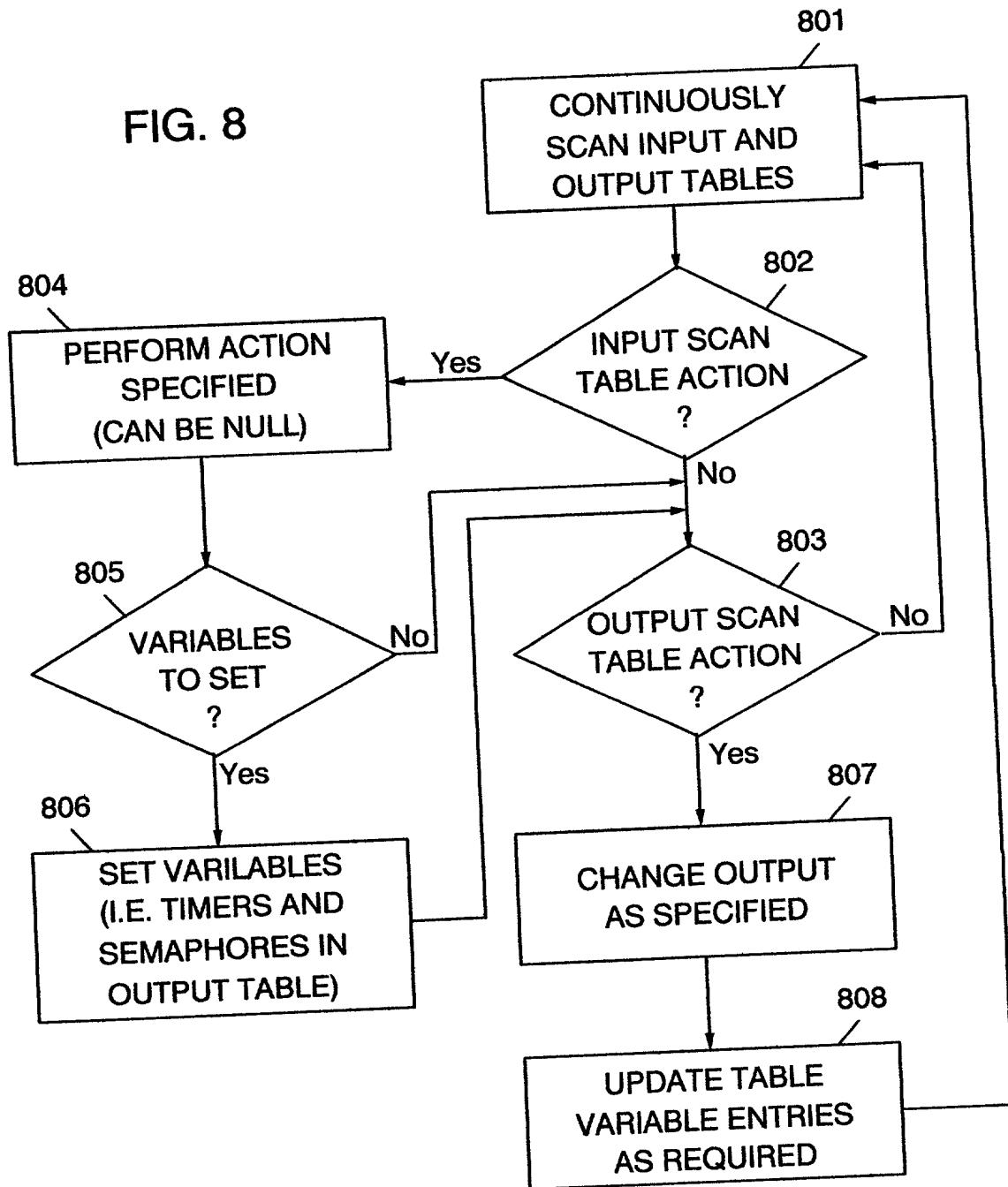


FIG. 9

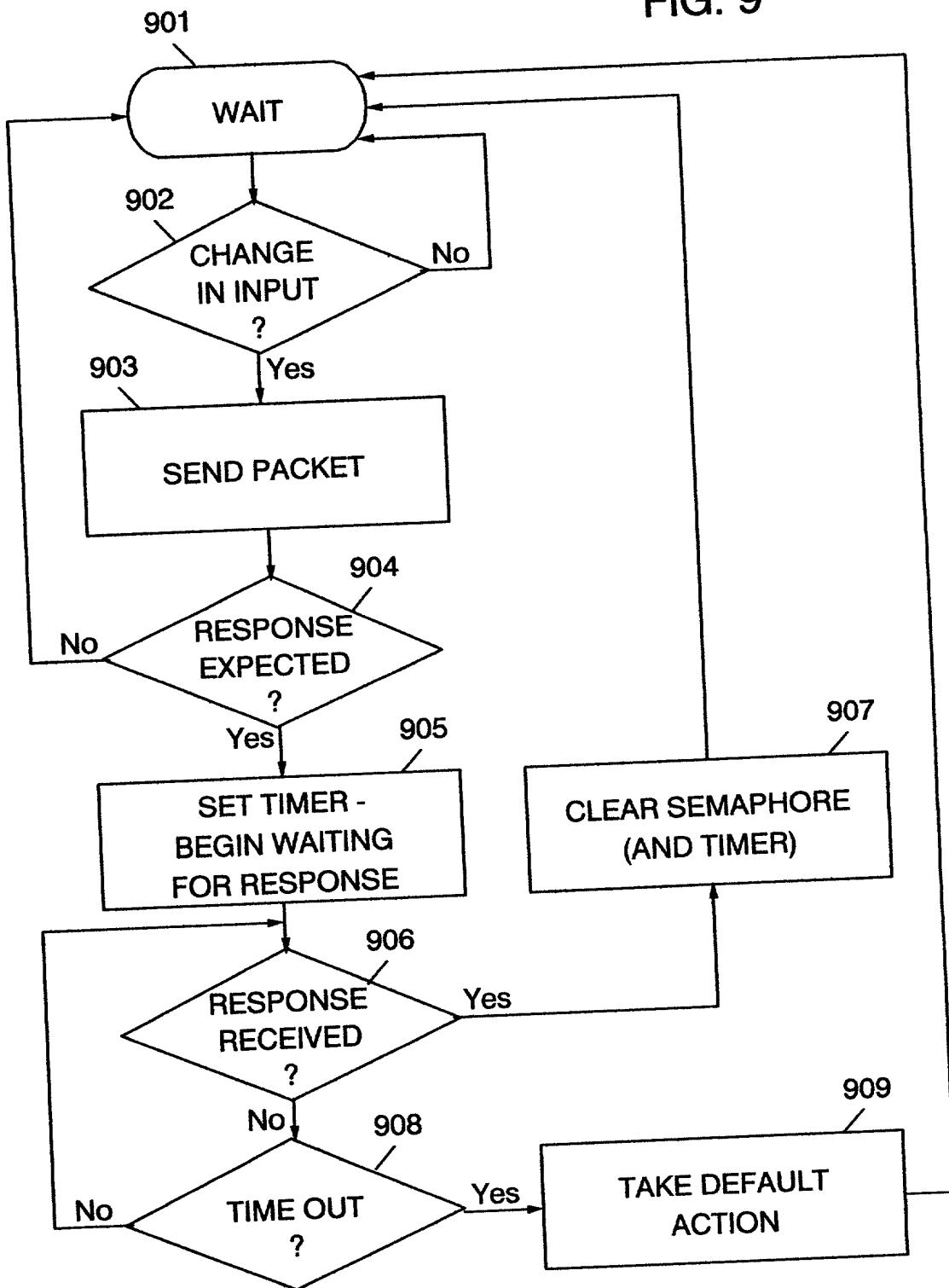


FIG. 10

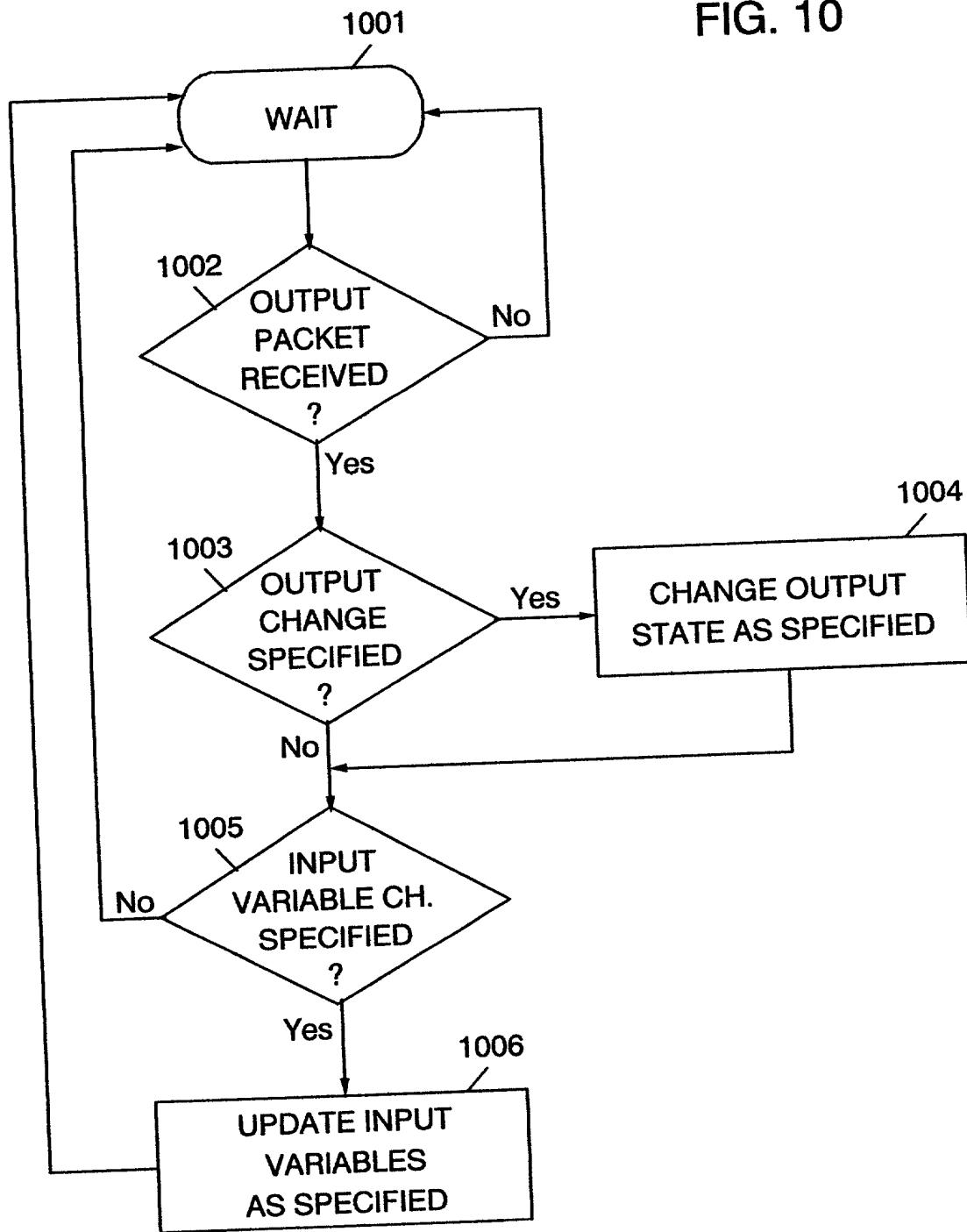


FIG. 11

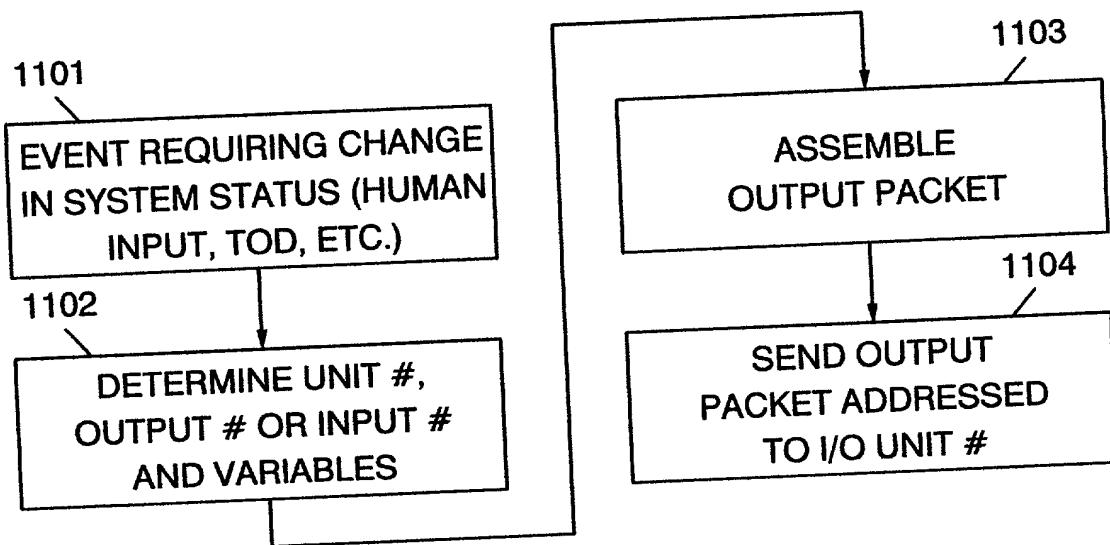


FIG. 13

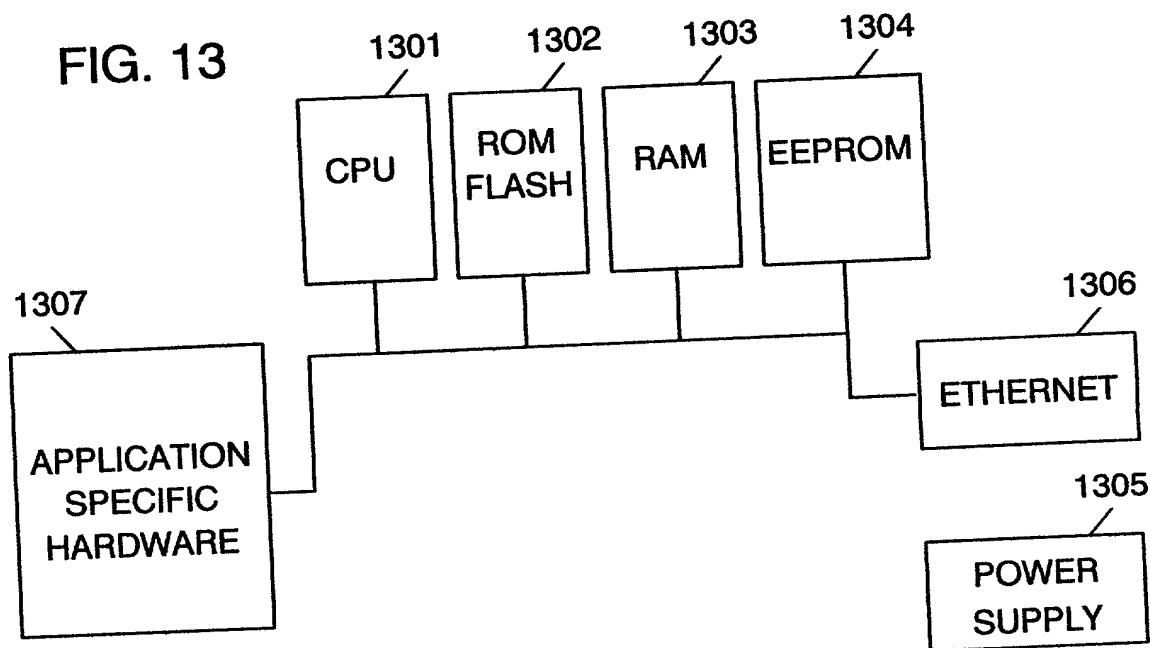


FIG. 12

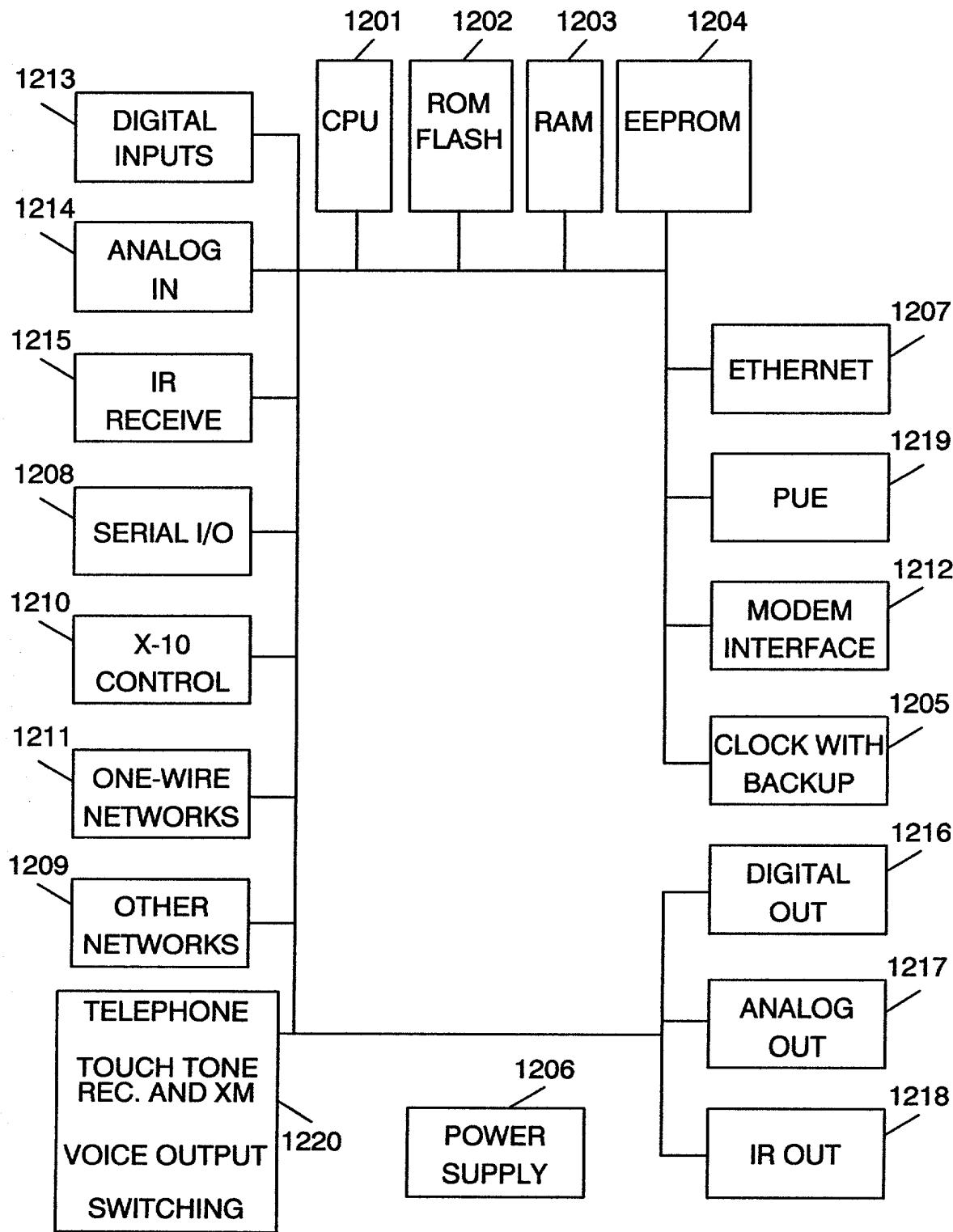


FIG. 14

